

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("20040047254").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/23 15:59
S2	85	(369/47.46).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/05/24 19:24
S3	466007	clock\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:03
S4	578837	sync synchron\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:54
S5	2183327	speed velocity	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:04
S6	4716010	data information signal	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 19:23
S7	16244	S3 same S4 same S5 same S6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:07
S8	3347612	data information	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:07
S9	11155	S3 same S4 same S5 same S8	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:50
S10	11	S9 and S2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:50
S11	600949	(data information) near3 signal	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 19:23
S12	466007	clock\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 19:23
S13	578837	sync synchron\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:52
S14	31479	S11 same S12 same S13	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 19:24
S15	183	(369/47.48).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/05/24 19:24
S16	85	(369/47.46).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/05/24 19:24

## EAST Search History

S17	68	(S15 S16) and (S11 same S12 same S13)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 19:24
S18	1	("20020024153").PN.	US-PGPUB; USPAT	OR	OFF	2006/06/20 13:54
S19	1	("20040047254").PN.	US-PGPUB; USPAT	OR	OFF	2006/06/20 15:42
S20	85	(369/47.46).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/06/20 15:42
S21	469298	clock\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S22	582890	sync synchron\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S23	2196597	speed velocity	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:49
S24	4740744	data information signal	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S25	16374	S21 same S22 same S23 same S24	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:50
S26	3368801	data information	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S27	11252	S21 same S22 same S23 same S26	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S28	11	S27 and S20	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S29	606603	(data information) near3 signal	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S30	469298	clock\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S31	582890	sync synchron\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S32	31726	S29 same S30 same S31	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42

## EAST Search History

S33	189	(369/47.48).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/06/20 15:42
S34	85	(369/47.46).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/06/20 15:42
S35	69	(S33 S34) and (S29 same S30 same S31)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S36	1	("20020024153").PN.	US-PGPUB; USPAT	OR	OFF	2006/06/20 15:42
S37	3176433	speed rate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 16:41
S38	15691	S21 same S22 same S23 same S24 same S37	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:53
S39	60	S38 and (S33 S34)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 16:52
S40	1	("6538965").PN.	US-PGPUB; USPAT	OR	OFF	2006/06/20 16:50
S41	1781419	record\$3 writ\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 16:51
S42	8417	S41 same S21 same S22 same S29	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 16:51
S43	42198	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/06/20 16:51
S44	1261	S42 and S43	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 16:52
S45	55	S42 and (S33 S34)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 17:01
S46	38259	decoder same (speed rate)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 17:01
S47	16	S45 and S46	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 17:50
S48	3	ATIP near2 PLL	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 17:50
S51	490610	clock\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18

## EAST Search History

S52	608711	sync synchron\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S53	2281475	speed velocity	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S54	5174164	data information signal	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S55	17098	S51 same S52 same S53 same S54	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S56	641486	(data information) near3 signal	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S57	490610	clock\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S58	608711	sync synchron\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S59	33223	S56 same S57 same S58	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S60	206	(369/47.48).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/11/29 15:18
S61	87	(369/47.46).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/11/29 15:18
S64	490610	clock\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S65	608711	sync synchron\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S66	641486	(data information) near3 signal	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S67	1115	(spindle near2 motor) same (clock near2 (signal generator))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 16:23
S68	43875	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/11/29 15:28
S69	705	S67 and S68	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:28

## EAST Search History

S70	401	(spindle near2 motor) near10 (clock near2 (signal generator))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:28
S71	267	S70 and S68	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:40
S72	111323	transmission near2 (speed rate)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:40
S73	3	S67 same S72	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:40
S74	80067	((servo spindle) near2 motor)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 16:23
S75	218755	(clock near2 (signal generator))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 16:23
S76	803	clock same (PLL (phase near2 locked near2 loop)) same ((spindle servo) near2 motor)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:53
S77	609440	sync synchron\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:54
S78	63849	decod\$3 same (ID identif\$8)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:55
S79	75	S76 and S77 and S78	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:55
S80	38	S76 same S77 and S78	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 18:16
S81	1	S76 same S77 same S78	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:55
S82	8	wobbl\$3 near10 (transmission near2 (speed velocity))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 18:17